Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/22/2019 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125277	0	2.09	125358	2.10
Blue	F	SSC	125000	123772	-1	3.69	124750	3.65
Blue	E	FITC	16694	16520	-2	3.79	384	22.90
Blue	D	PE	32792	32655	-1	3.03	720	17.12
Blue	B	PerCP-Cy5-5	44451	44125	-1	4.83	1208	23.89
Blue	A	PE-Cy7	33645	33816	0	7.41	610	50.14
Red	C	APC	47008	46396	-2	3.11	1791	13.69
Red	A	APC-Cy7	32298	32003	-1	2.93	799	14.30
Violet	B	V450	8961	8797	-2	4.52	490	14.83
Violet	A	V500	32726	31775	-3	4.20	765	11.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20981	5.03	615	2	N/A	N/A	Pass
Blue	F	SSC	56253	3.25	588	20	N/A	N/A	Pass
Blue	E	FITC	63	72.41	572	9	0.0136	88	Pass
Blue	D	PE	144	59.61	577	11	0.1167	282	Pass
Blue	B	PerCP-Cy5-5	221	58.71	682	11	0.0068	61	Pass
Blue	A	PE-Cy7	115	129.25	738	12	0.0083	30	Pass
Red	C	APC	409	29.30	614	1	0.0183	127	Pass
Red	A	APC-Cy7	197	32.23	586	1	0.0044	1031	Pass
Violet	B	V450	73	70.81	485	-1	0.0407	2232	Pass
Violet	A	V500	110	38.17	494	-2	0.0186	864	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-32.03	1.09
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.77	13.60 - 20.40	N/A	N/A	29.09	29.43	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9566

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments